

Trade name: **FIX-R Roofing Felt Adhesive**

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **Product identifier:**
- **Trade name:** FIX-R Roofing Felt Adhesive
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available
- **Application of the substance / the preparation:** Cold bitumen adhesive for bonding bitumen membranes.
- **Details of the supplier of the safety data sheet**  
FIX-R  
Harding Way,  
St Ives,  
Cambridgeshire,  
PE27 3YJ  
  
Tel: 01480 466777  
Fax: 01480 290133  
Email: info@fix-r.co.uk  
www.fix-r.co.uk

## SECTION 2: Hazards Identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Flam. Liq. 3                      H226 Flammable liquid and vapour.  
Aquatic Chronic 2              H411 Toxic to aquatic life with long lasting effects.  
STOT SE 3                        H336 May cause drowsiness or dizziness.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
N;                                      Dangerous for the environment  
R51/53:                              Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R10-67:                              Flammable. Vapours may cause drowsiness and dizziness.
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Warning
- **Hazard statements**  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

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## Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local / regional / national / international regulations.

## SECTION 3: Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of complex substances derived from petroleum and aromatic hydrocarbons.
- **Dangerous components:**

EC number: 919-446-0	hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromates (2-25%) Xn R65 R10-66-67 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	10-25%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Xn R65 N R51/53 R10-66-67 Carc. Cat. 2 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Acute Tox. 4, H332; STOT SE 3, H335-H336	10-25%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First Aid Measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further information available.



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## SECTION 5: Firefighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture:** Not applicable.
- **Advice for fire fighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

## SECTION 6: Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course of sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See section 7 for information on safe handling.  
See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

## SECTION 7: Handling and Storage

- **Handling:**
- **Precautions for safe handling:** No special precautions are necessary if used correctly.
- **Information about fire – and explosion protection:** Keep ignition sources away – Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** No special measured required.
- **Further information about storage conditions:** Keep container tightly sealed.  
Protect from heat and direct sunlight.

## SECTION 8. Exposure Controls/Personal Protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.

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- **Exposure controls**
- **Personal Protective Equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Solvent resistant gloves
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculate in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

## SECTION 9: Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **Appearance:**
  - Form: Viscous
  - Colour: Black
  - Odour: Aromatic
  - pH-value: Not determined
- **Change in condition**
  - **Boiling point/Boiling range:** 135°C
  - **Flash point:** 35°C
  - **Ignition temperature** 450°C
  - **Self-igniting:** Product is not self-igniting.
  - **Danger of explosion:** Product is not explosive. However, formations of explosive air/vapour mixtures are possible.
- **Explosion limits:**
  - **Lower** 0.5 Vol %
  - **Upper:** 7.5 Vol %
- **Vapour pressure at 20°C:** 27 hPa
- **Density at 20°C:** 0.93 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Insoluble.
- **Organic solvents:** Miscible with many organic solvents.
- **Viscosity**
  - **Dynamic:** 500 – 1000 cPs (40°C)
  - **Kinematic:** Not determined.
- **Solvent content:**
  - **VOC (EC)** VOC limit value (cat A/h) 750 g/L 2010.  
Product contains 330 g/L.
- **Other information:** No further information available.



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## SECTION 10: Stability and Reactivity

- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.
- **Possibility of hazardous reactions:** Forms flammable gases/fumes.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
- Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxides.

## SECTION 11: Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
- **hydrocarbons, C9-C12, n-alkanen, iso-alkanen, cyclic, aromates (2-25%)**
  - Oral: LD50 > 5000 mg/kg (rat)
  - Dermal: LD50 > 2000 mg/kg (rab)
- **64742-95-6 Solvent naphtha (petroleum), light arom.**
  - Oral: LD50 > 2000 mg/kg (rat)
  - Dermal: LD50 > 2000 mg/kg (rat)
  - Inhalative: LC50/4 h >10.2 mg/l (rat)
- **Primary irritant effect:**
- **On the skin:** Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
- **On the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

## SECTION 12: Ecological Information

### Toxicity

- **Aquatic toxicity:**
- **Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromates (2-25%)**
- EC50 | 10mg/l (daphnia)
- **64742-95-6 Solvent naphtha (petroleum), light arom.**
- EC50 | ≤10mg/l (daphnia)

- **Persistence and degradability:** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bio accumulative potential:** No further relevant information available.
- **Mobility soil:** No further relevant information available.
- **Ecotoxicial effects:**
- **Remark:** Toxic to fish
- **Additioanl ecological information:**
- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

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- **Results of PBT and vPvB assessment.**
- **PBT:** Not applicable.
- **VPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

## SECTION 13: Disposal Considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport Information

▪ <b>UN number</b>	
▪ <b>ADR, IMDG</b>	UN1133
▪ <b>UN proper shipping name</b>	
○ <b>ADR</b>	ADHESIVES, 3, III, (D/E), DANGEROUS FOR THE ENVIRONMENT
○ <b>IMDG</b>	UN 1133, Adhesives, (contains solvent naphta and white spirit mixture), 3, III, (35°C c.c.) MARINE POLLUTANT
▪ <b>Transport hazard class (es)</b>	
○ <b>ADR, IMDG</b>	
	 
○ <b>Class</b>	3 Flammable liquids
○ <b>Label</b>	3
▪ <b>Packing group</b>	
○ <b>ADR, IMDG</b>	III
▪ <b>Environmental hazards:</b>	
▪ <b>Marine pollutant:</b>	Yes
	Symbol (fish and tree)
▪ <b>Special marking (ADR):</b>	Symbol (fish and tree)
▪ <b>Special precautions for user</b>	Warning: Flammable liquids.
▪ <b>Danger code (Kemler):</b>	30
▪ <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
▪ <b>Transport/Additional information:</b>	
▪ <b>ADR</b>	
▪ <b>Limited quantities (LQ)</b>	5L
▪ <b>Transport category</b>	3
▪ <b>Tunnel restriction code</b>	D/E
▪ <b>UN "Model Regulation":</b>	UN1133, ADHESIVES, ENVIRONMENTALLY HAZARDOUS, 3, III

## SECTION 15: Regulatory Information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



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## SECTION 16: Other Information

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H226 Flammable liquid and vapour  
H304 May be fatal if swallowed and enters airways.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

R37 Irritating to respiratory system.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R64 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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